

Personal Protective Technology Conformity Assessment Working Group Formation and Process

**NIOSH PPT Conformity Assessment Public Meeting
September 17, 2013**

Maryann D'Alessandro, Ph.D.

Director, National Personal Protective Technology Laboratory

https://www.youtube.com/watch?v=Irl_6h_55eo

NIOSH PPT Program Mission

An estimated 20 million workers use personal protective equipment on a regular basis to protect themselves from job hazards.



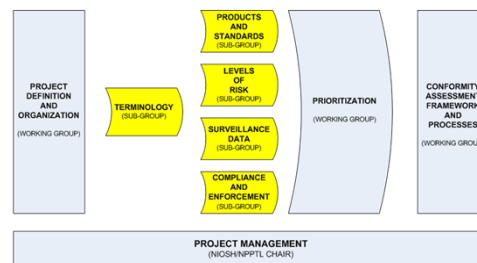
The **MISSION** of the PPT program is to prevent work-related injury, illness and death by advancing the state of knowledge and application of personal protective technologies (PPT).

Presentation overview

PPT conformity assessment (CA) background



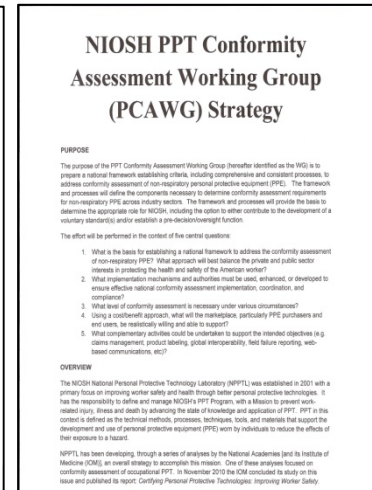
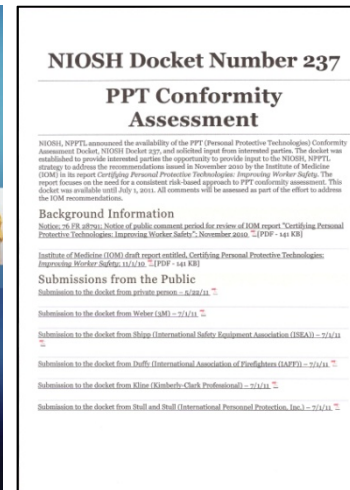
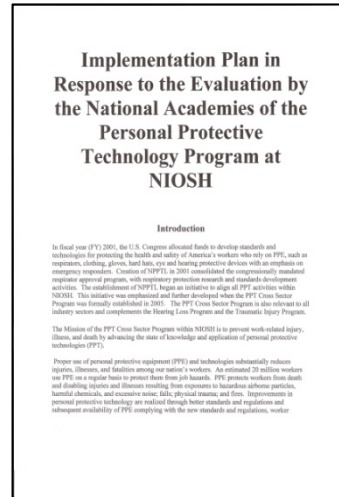
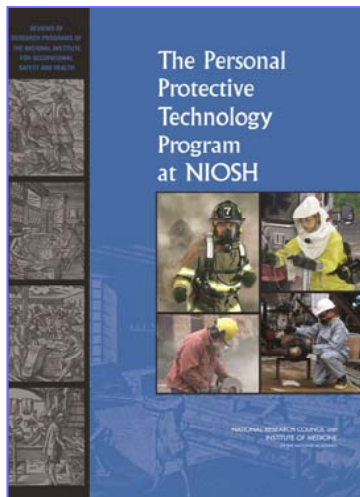
PPT CA Working Group Overview



PCAWG successes



NIOSH Conformity Assessment Foundational Background



June 2008

NA
PPT Program
Evaluation Report:
Five
Recommendations

May 2010

PPT Program's
Action Plan to
Implement
Recommendations

February 2011

IOM's Analysis of
NA Report
Recommendation 1:
Comprehensive
CA Program

May 2011

NIOSH
Docket # 237
Public Comment
on IOM
CA Report

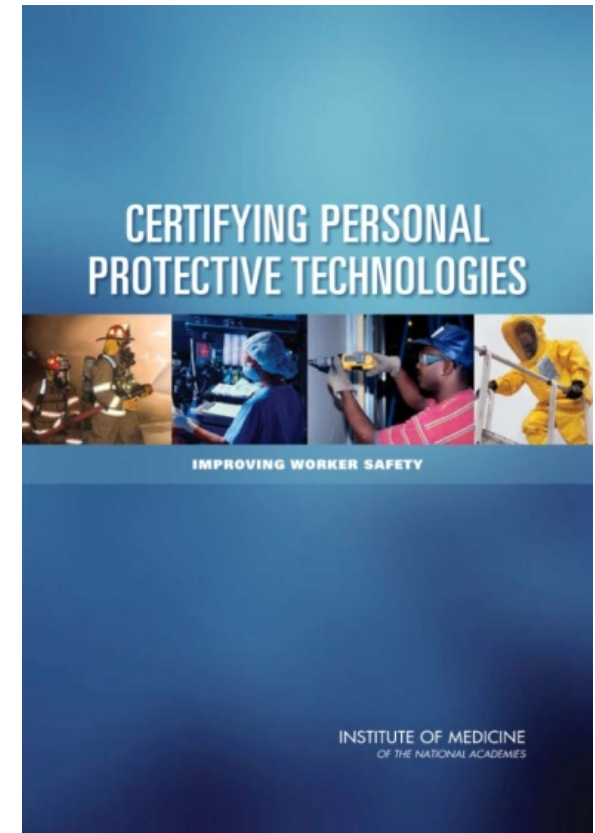
October 2011

NIOSH
PPT Conformity
Assessment
Working Group
Established

“Conformity assessment is key to ensuring that the products we purchase are effective and perform to specifications...”

“[NIOSH] should work with [stakeholders] to develop, implement, and support conformity assessment processes for non-respirator PPT.

CA processes should be commensurate with the level of risk that could result from failure of the PPT to protect the user from workplace hazards.”



Meeting Objectives

- **Report PCAWG process and findings**
- **Discuss a NIOSH draft framework scope**
- **Initiate a public dialogue in defining a national PPT CA framework**

Over 30 PCAWG Members and Consultants



UNIVERSITY of MARYLAND
SCHOOL OF MEDICINE

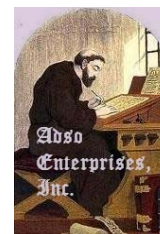


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Raytheon

International
Personal
Protection, Inc.

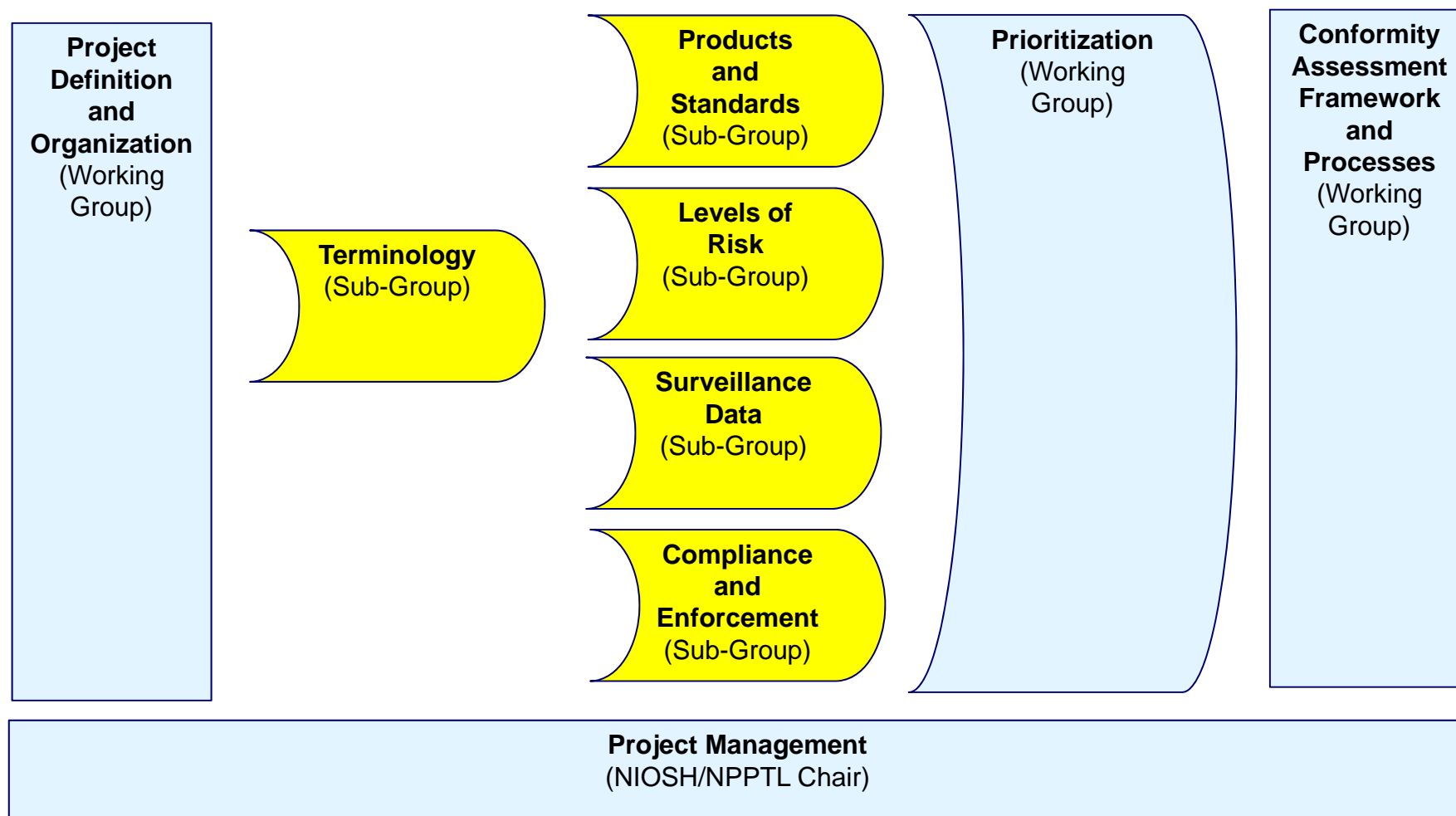


JSJ and Associates



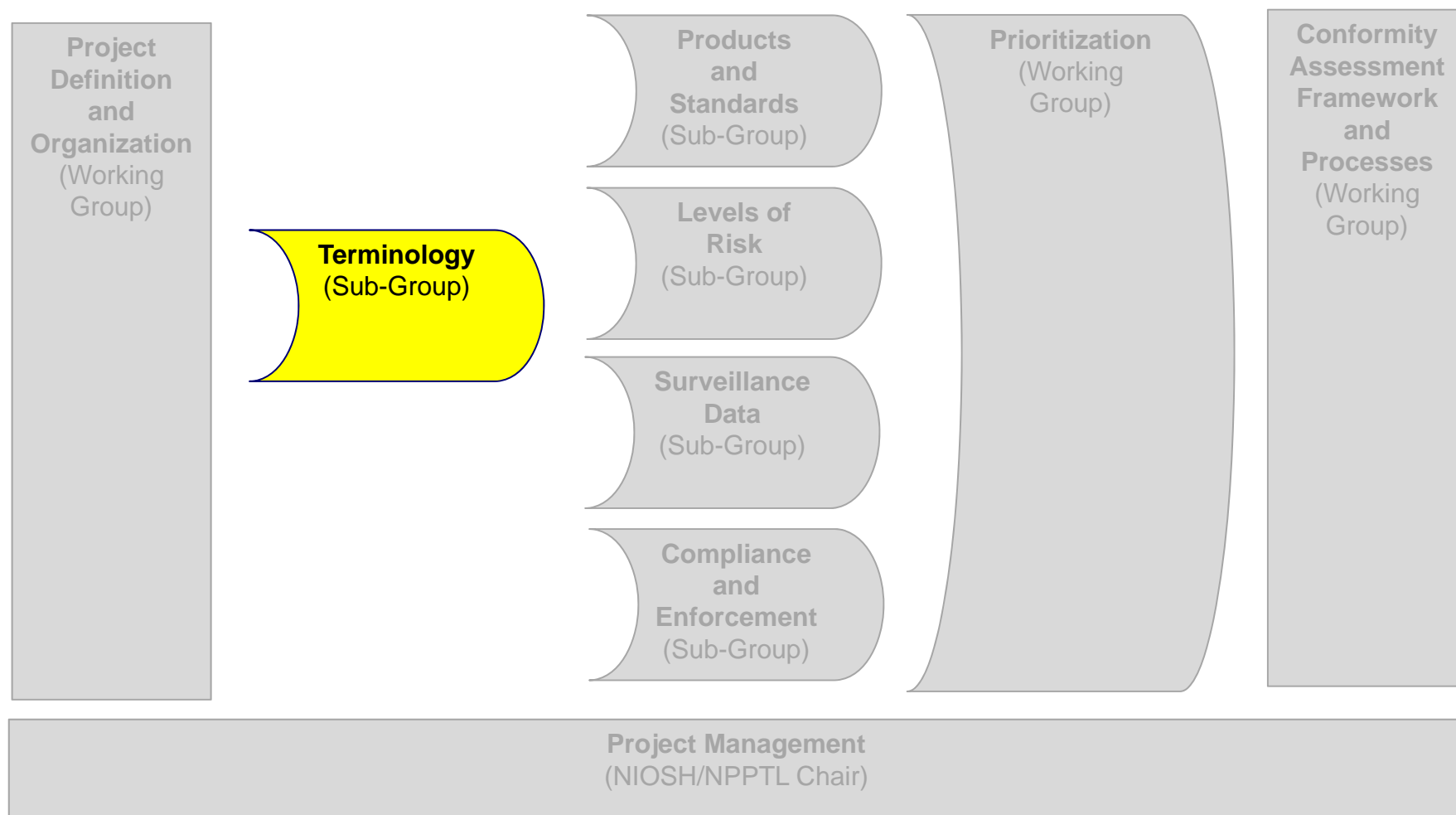
The PPT Conformity Assessment

Working Group Project Organization and Workflow

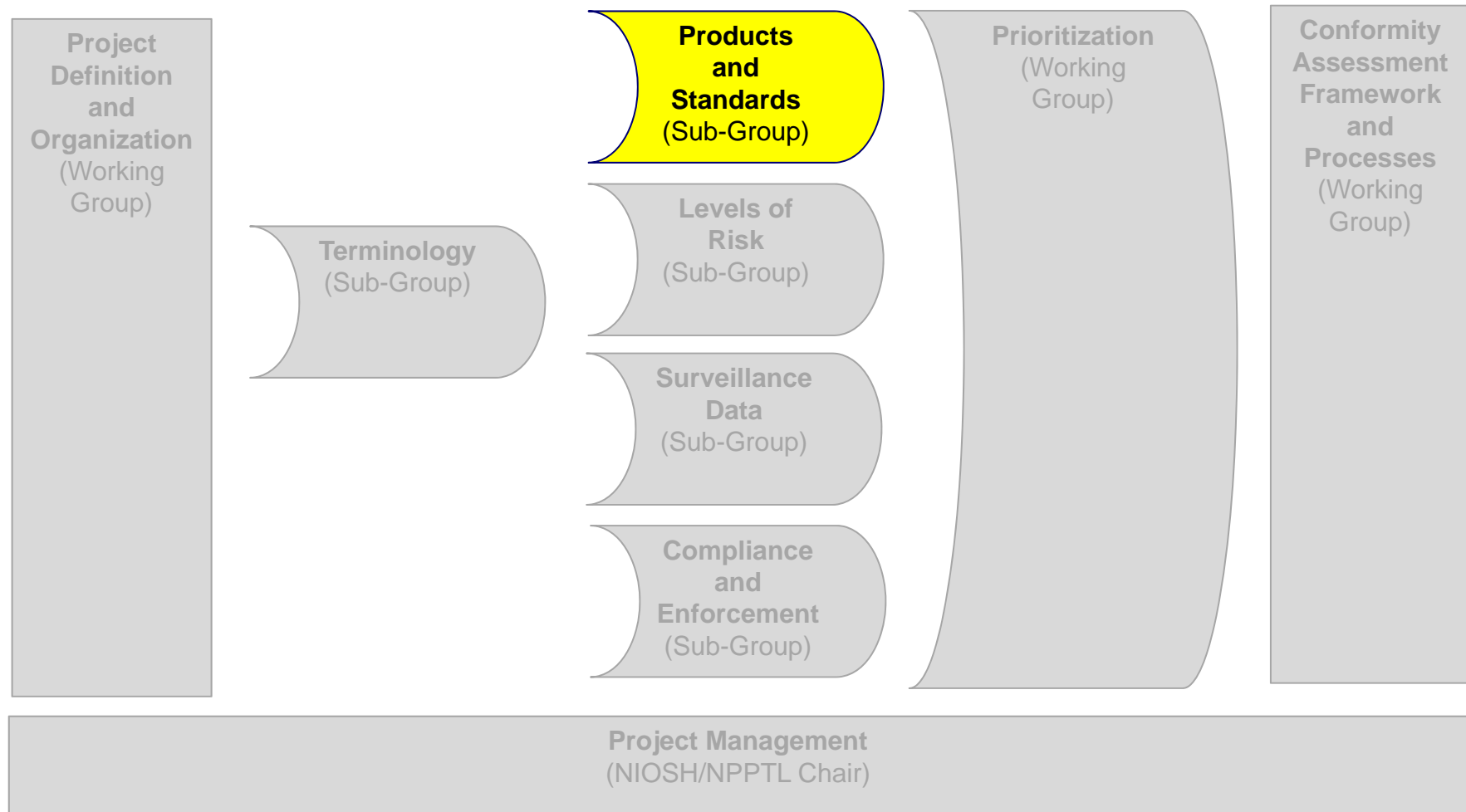


The PPT Conformity Assessment

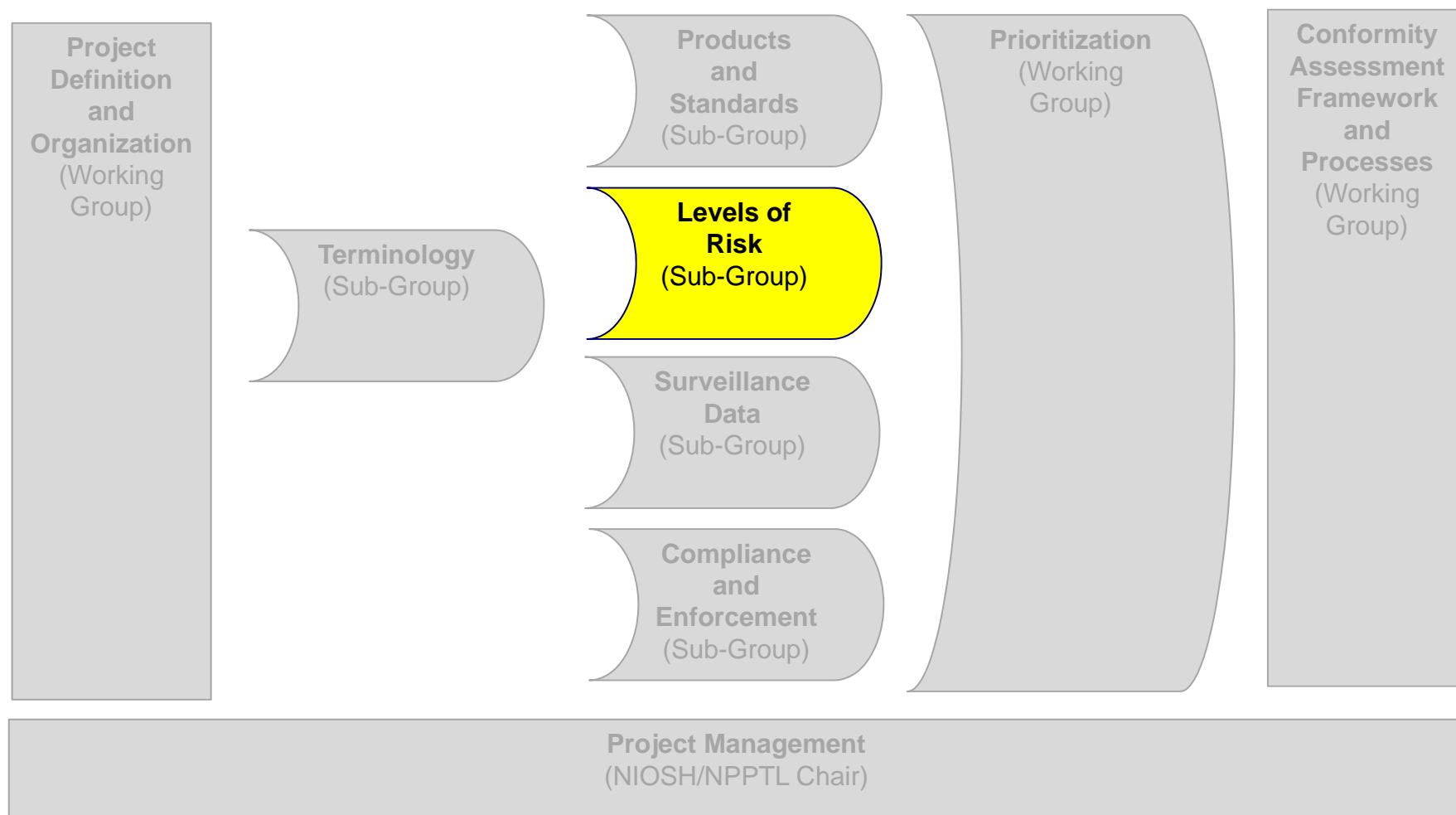
Working Group Project Organization and Workflow



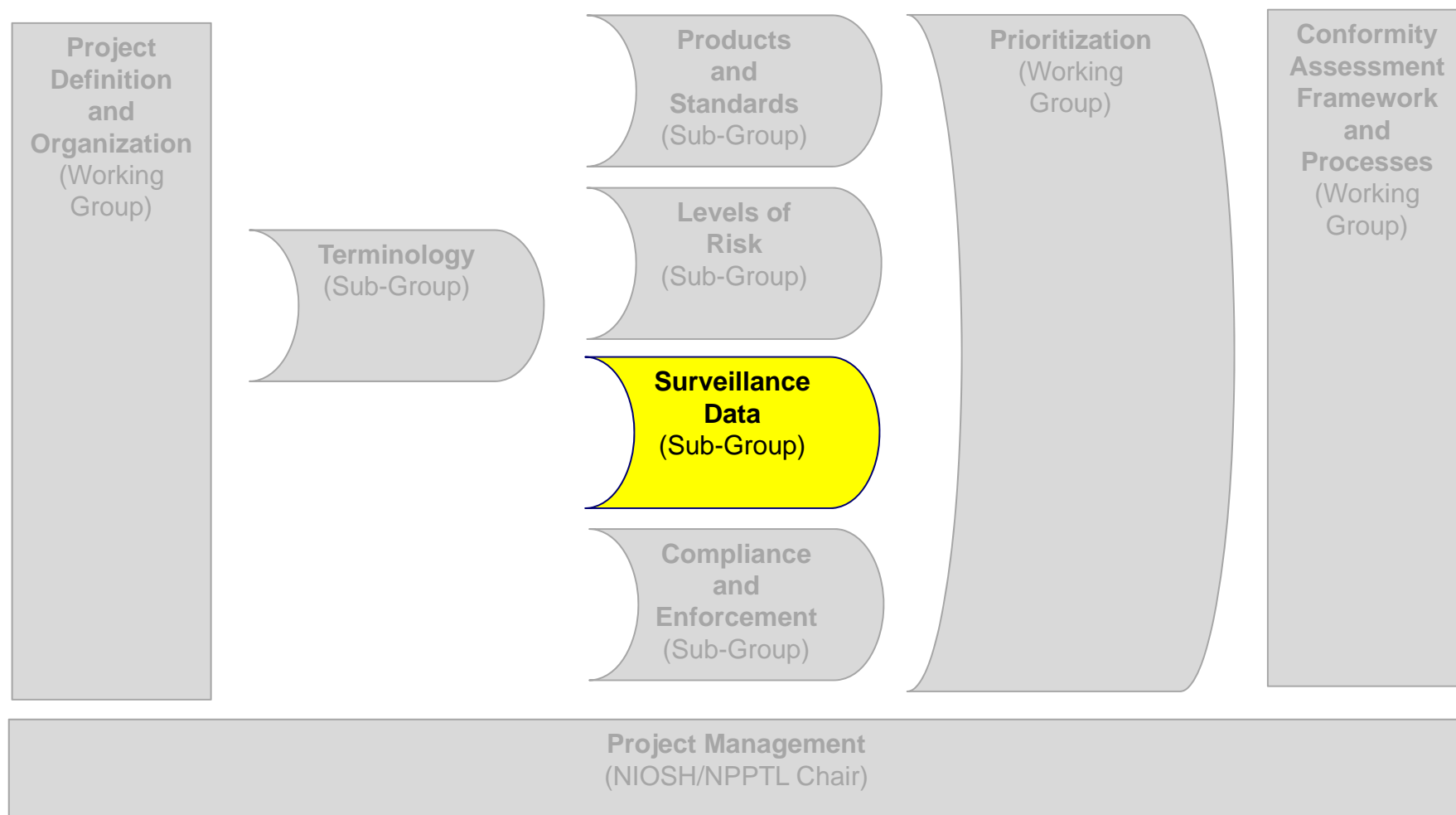
The PPT Conformity Assessment Working Group Project Organization and Workflow



The PPT Conformity Assessment Working Group Project Organization and Workflow

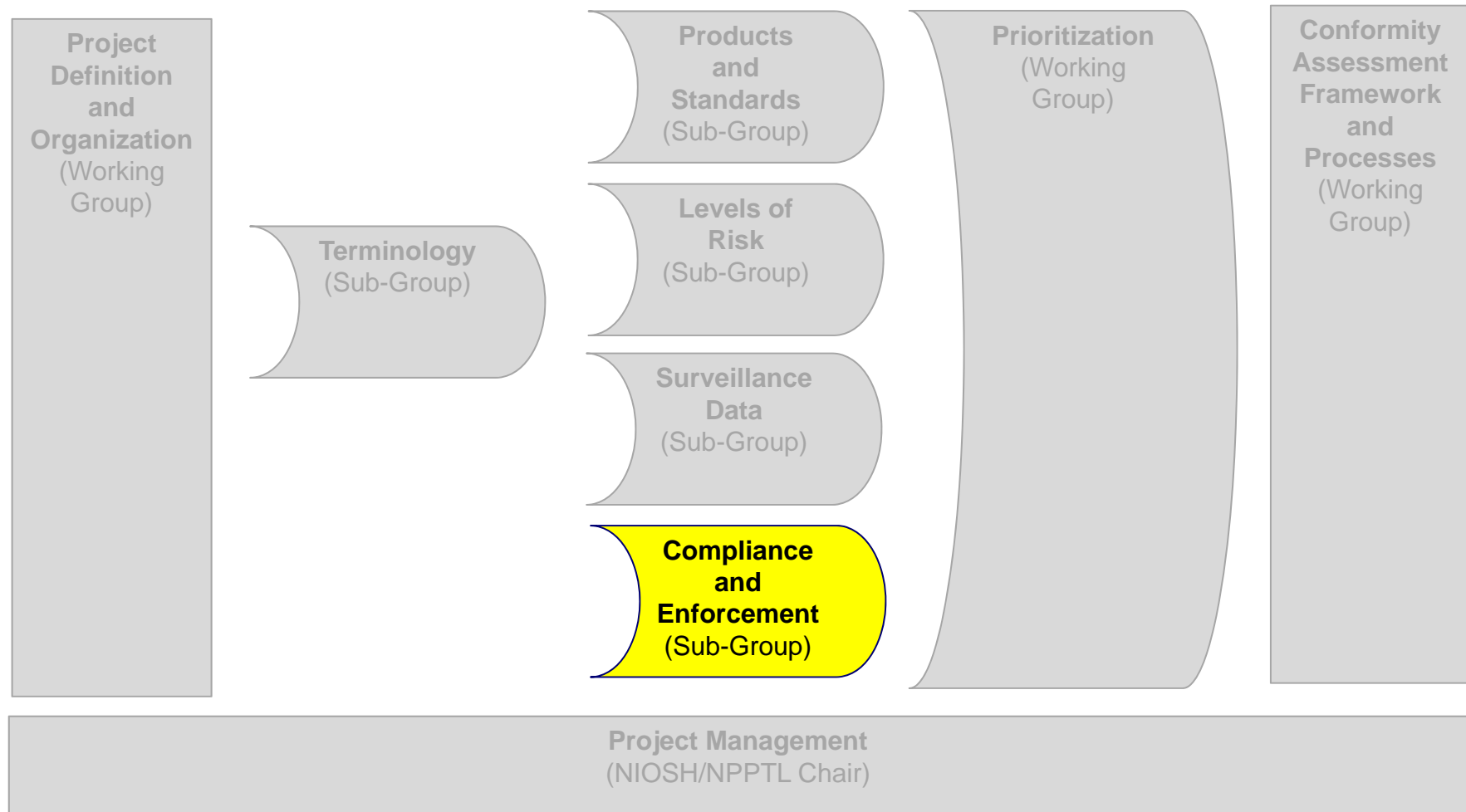


The PPT Conformity Assessment Working Group Project Organization and Workflow



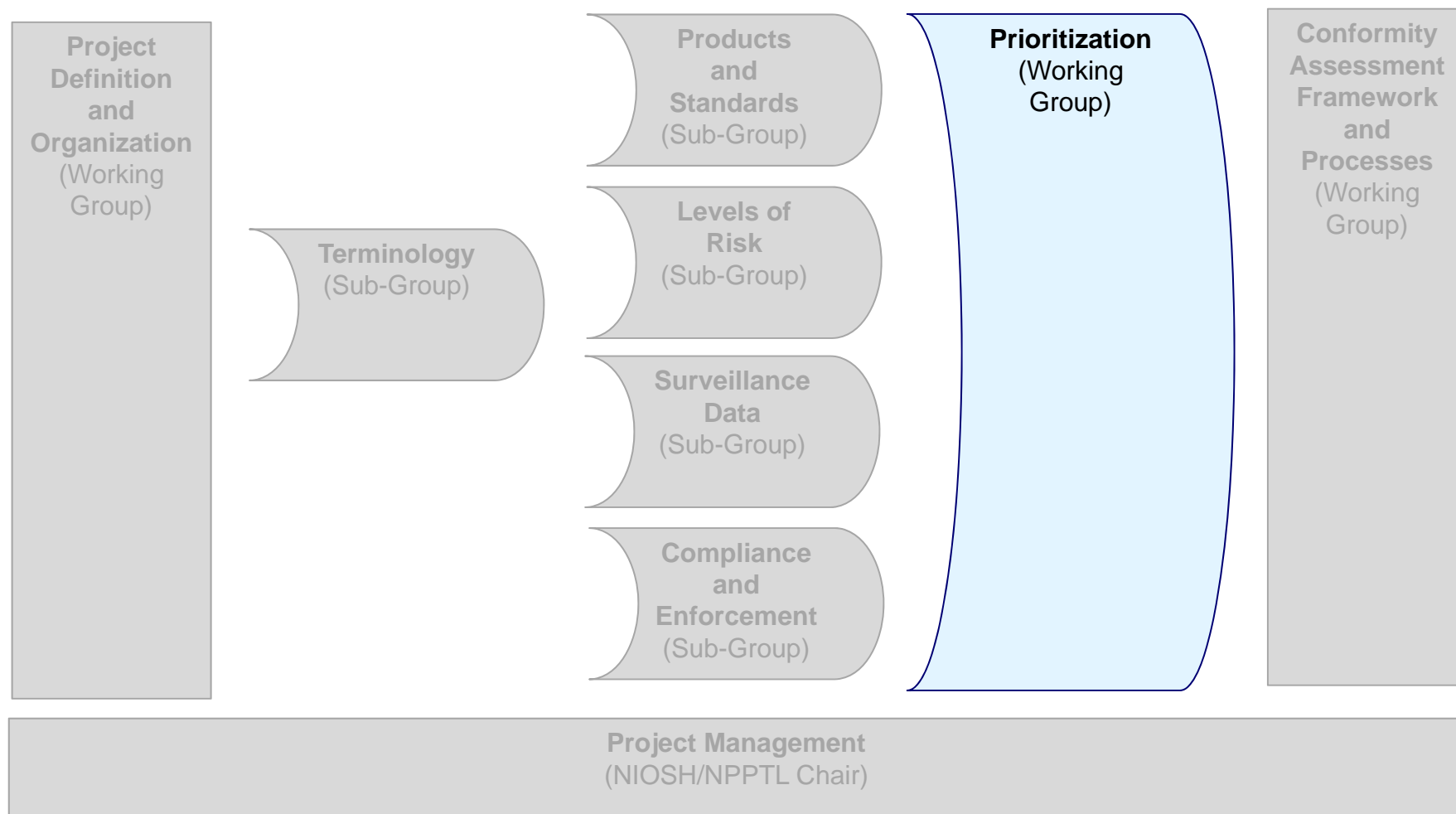
The PPT Conformity Assessment

Working Group Project Organization and Workflow



The PPT Conformity Assessment

Working Group Project Organization and Workflow

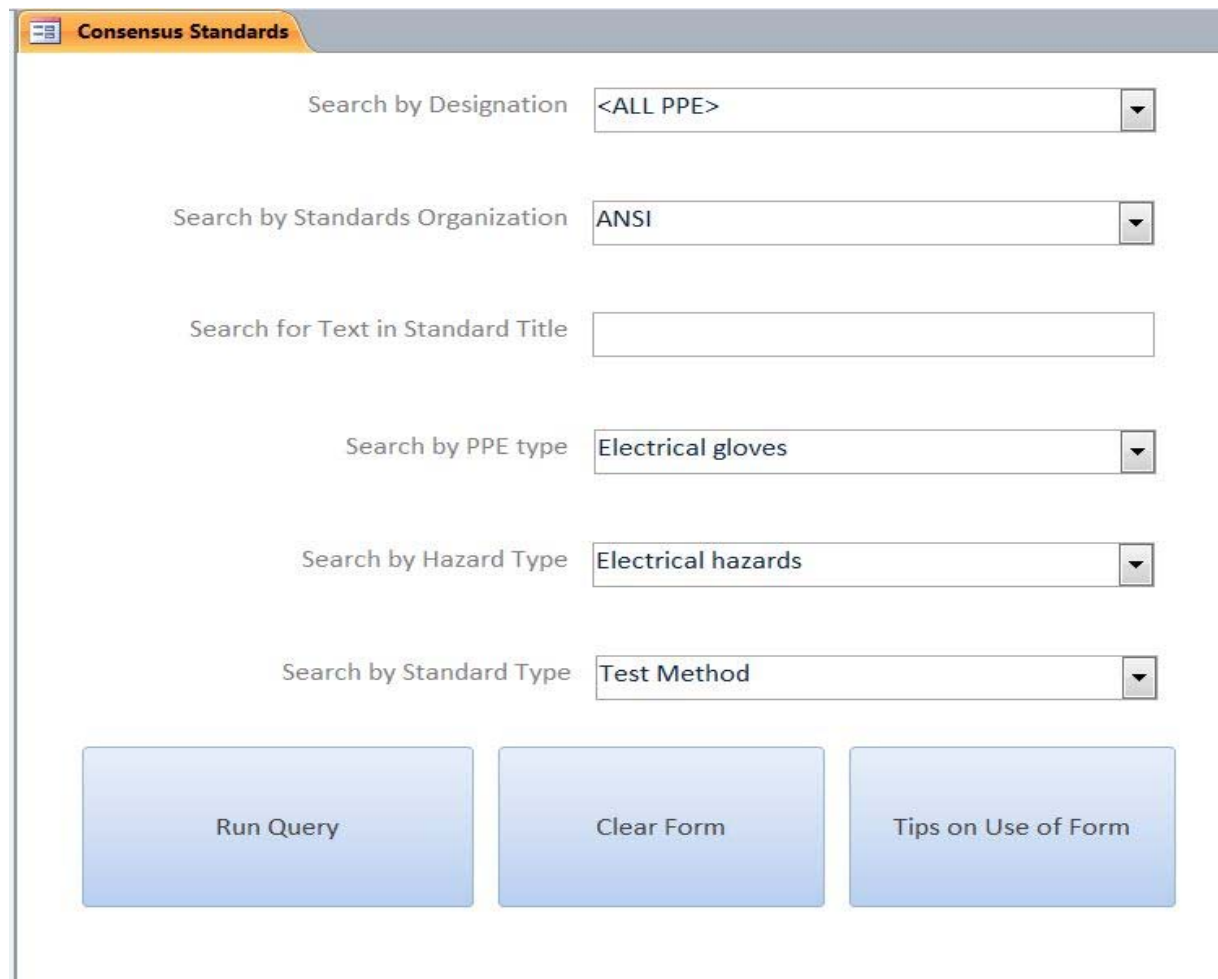


Products and standards database incorporate useful data fields

Organization	Designation	Title	Year	Hazard Type	Industry	Standard Type	PPE Type	Field Use
ANSI/ISEA	ANSI/ISEA 103	Classification and Performance Requirements for Chemical Protective Clothing	2010	chemical			Chemical safety clothing	
ANSI/ISEA	ANSI/ISEA 107	High visibility safety apparel and headwear	2010	physical			Visibility warning clothing	
ANSI/ISEA	ANSI/ISEA 110	Air Purifying Respiratory Protective Smoke Escape Devices	2009	chemical			Escape respirators	
ANSI/ISEA	ANSI/ISEA 207	High-Visibility Public Safety Vests	2011	physical			Visibility warning clothing	
ANSI/ISEA	ANSI/ISEA Z87.1	Occupational and educational personal eye and face protection	2010	chemical	General Industry	Test Method	Spectacles, faceshields, goggles, welding helmets	
ANSI/ISEA	ANSI/ISEA Z89.1	Industrial head protection	2009	physical			Industrial helmets	

Sample Report in which ANSI/ISEA records were queried

A strength of the prototype database is the ability to search for records using a variety of criteria



The screenshot shows a web-based search interface titled "Consensus Standards". It features six search criteria, each with a label and a dropdown menu:

- Search by Designation: <ALL PPE>
- Search by Standards Organization: ANSI
- Search for Text in Standard Title: (empty text box)
- Search by PPE type: Electrical gloves
- Search by Hazard Type: Electrical hazards
- Search by Standard Type: Test Method

At the bottom of the form are three buttons: "Run Query", "Clear Form", and "Tips on Use of Form".

A beta version of the Products and Standards Database is being developed

Background



The PPT Conformity Assessment Working Group (PCAWG) was established in 2011 by the National Personal Protective Technology Laboratory (NPPTL) of the National Institute for Occupational Safety and Health (NIOSH).

Among other tasks, the PCAWG was charged to develop an inventory of product and performance standards for PPE. To accomplish these goals, subgroup members researched current OSHA regulations, PPE performance standards, and PPE testing standards, which were subsequently integrated into an interactive, searchable, prototype Microsoft Access database.

Your input is valuable!

NPPTL values your feedback and ideas regarding this database:

- Who are potential users? What are potential uses?
- Who should be responsible for updating and maintenance?
- What format is most useful (i.e., searchable, online, downloadable)?
- How should the database be marketed to ensure its use?
- How can information regarding suppliers of applicable PPE be incorporated into the database?
- Would you be willing to participate in a focus group? If so, please contact John Sporer listed below.

For more information or to provide feedback contact:

John Sporer
eyi0@cdc.gov
412-386-6435



Prototype PPE Standards Database

Prototype database for personal protective equipment (PPE) standards



For workers using PPE, it is important to understand if your equipment conforms to the right standards.

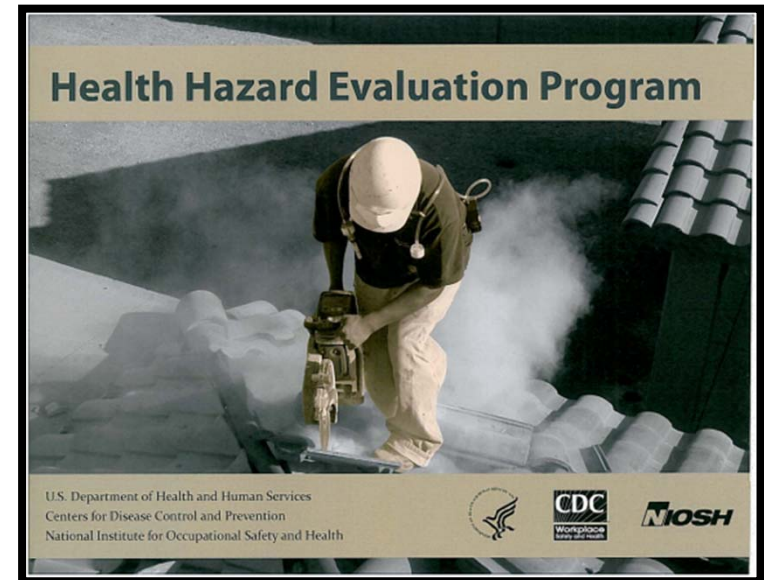
We are looking for input as we create a database to clarify these standards to make that task easier.

NIOSH is moving toward more structured post-market activities and results dissemination

- **Develop a consist policy regarding what data to collect**
- **Recommend database format and analysis approach**
- **Determine approach for disseminating information**
- **Post market working group established**
 - Internal NIOSH and FDA, CPSC, UL, NIST
 - November 5, 2013 meeting in Pittsburgh

NIOSH Health Hazard Evaluation (HHE) Program can serve as a model to develop a “PPE HHE”

- “10-day” Letter after 1st site visit
- Employee notification letters
 - personal monitoring results
- Interim Report, as needed
- Final Report
- Post final report documents:
 - Scientific manuscripts, MMWR articles, presentations, NIOSH blog, HHE Facebook page, NIOSH numbered documents, and trade magazines



Can search thousands of HHE reports at: <http://www.cdc.gov/niosh/hhe/>

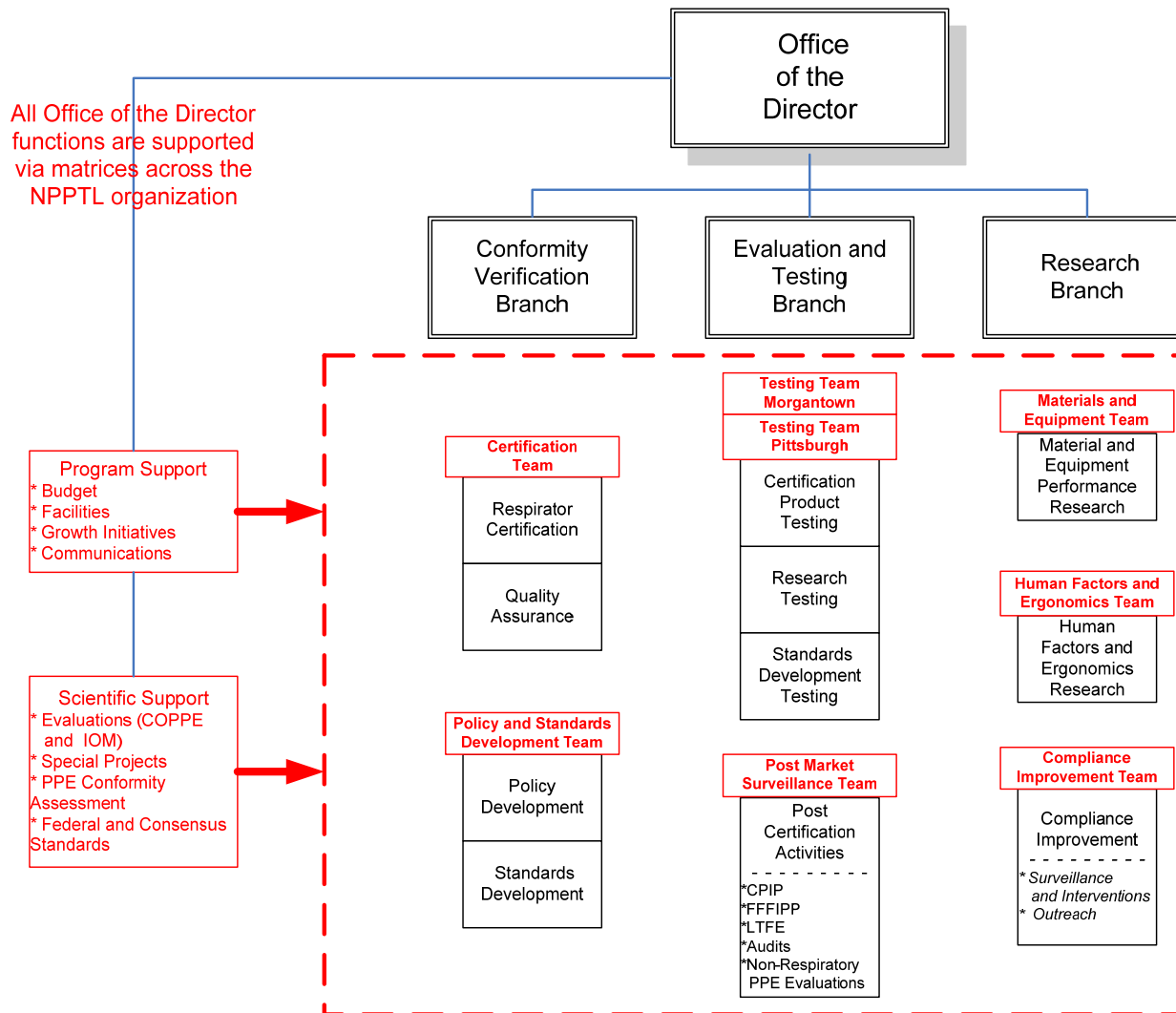
NPPTL is shifting focus to continue to improve PPT leadership by

- most effectively leveraging our laboratory resources,
- leading respiratory and non-respiratory conformity assessment activities,
- emphasizing PPE compliance improvement.

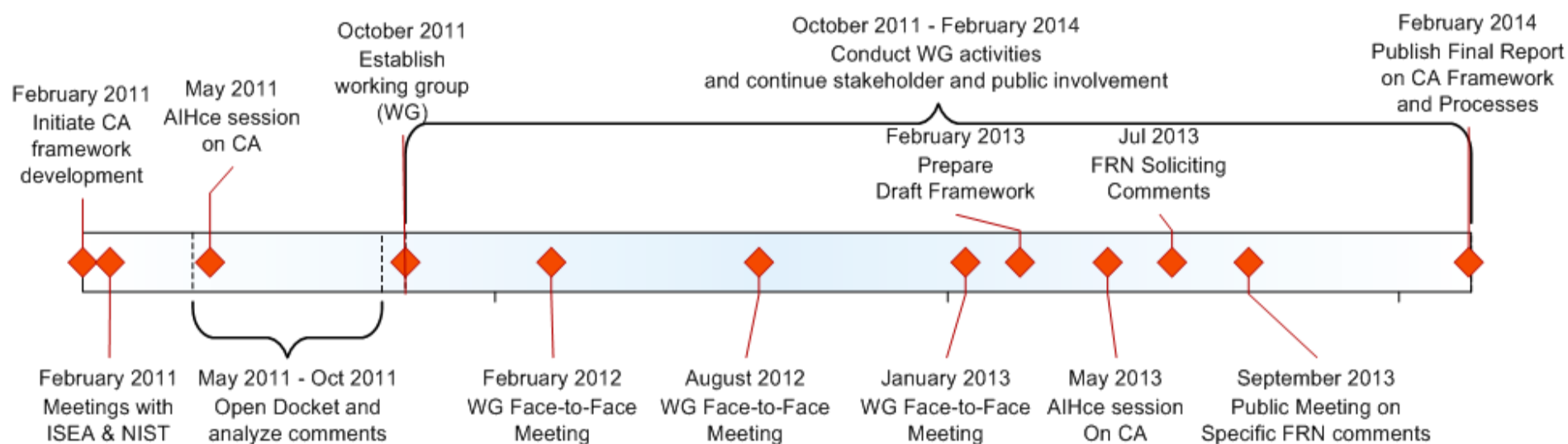
NPPTL

Proposed Realignment and Assignment of Functional Responsibilities

March 20, 2013



NIOSH will continue to work with the PCAWG and all partners to refine the PPT CA Framework



Quality Partnerships Enhance Worker Safety & Health



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Disclaimer:

The findings and conclusions in this presentation have not been formally disseminated by the National Institute for Occupational Safety and Health and should not be construed to represent any agency determination or policy.

Thank you!